NUREG-0800
(Formerly NUREG-75/087)

U.S. NUCLEAR REGULATORY COMMISSION

STANDARD REVIEW PLAN

OFFICE OF NUCLEAR REACTOR REGULATION

Appendix 7-A

Branch Technical Positions

The HICB branch technical positions (BTPs) represent guidelines intended to supplement the acceptance criteria established in Commission regulations and the guidelines provided in regulatory guides and applicable industry standards. The BTPs are written to resolve technical problems or questions of interpretation that arise in the detailed reviews of plant designs. The Staff must make a judgment in each such case, in order to complete its review of the particular application. Where the same technical problem or question of interpretation arises in several cases, the Staff's judgment on the point at issue is formalized in a BTP. A BTP is primarily an instruction to Staff reviewers that outlines an acceptable approach to the particular issue and ensures a uniform treatment of the issue by Staff reviewers. The approaches taken in the BTPs, like the recommendations of regulatory guides, are not mandatory, but do provide defined, acceptable, and immediate solutions to some of the technical problems and questions of interpretation that arise in the review process. In some instances, regulatory guides may be developed from BTPs after a sufficient experience in their use has accumulated.

All HICB BTPs applicable to the SRP sections in Chapter 7 have been collected in this appendix for convenience.

Table 7-A-1. Branch Technical Positions of the Instrumentation and Control Systems Branch

BTP number	Title
1	Guidance on Isolation of Low-Pressure Systems from the High-Pressure Reactor Coolant System
2	Guidance on Requirements on Motor-Operated Valves in the Emergency Core Cooling System Accumulator Lines
3	Guidance on Protection System Trip Point Changes for Operation with Reactor Coolant Pumps Out of Service
4	Guidance on Design Criteria for Auxiliary Feedwater Systems
5	Guidance on Spurious Withdrawals of Single Control Rods in Pressurized Water Reactors
6	Guidance on Design of Instrumentation and Controls Provided to Accomplish Changeover from Injection to Recirculation Mode
7	Not used
8	Guidance on Application of Regulatory Guide 1.22
9	Guidance on Requirements for Reactor Protection System Anticipatory Trips
10	Guidance on Application of Regulatory Guide 1.97
11	Guidance on Application and Qualification of Isolation Devices
12	Guidance on Establishing and Maintaining Instrument Setpoints
13	Guidance on Cross-Calibration of Protection System Resistance Temperature Detectors
14	Guidance on Software Reviews for Digital Computer-Based Instrumentation and Control Systems
15	Not used
16	Guidance on the Level of Detail Required for Design Certification Applications Under 10 CFR Part 52
17	Guidance on Self-Test and Surveillance Test Provisions
18	Guidance on Use of Programmable Logic Controllers in Digital Computer-Based Instrumentation and Control Systems
19	Guidance on Evaluation of Defense-in-Depth and Diversity in Digital Computer-Based Instrumentation and Control Systems
20	Not used
21	Guidance on Digital Computer Real-Time Performance